Class name : SY CSE(IOT)
Rollno : 2007
Urn no : 1022101007
Batch : S1

EXPERIMENT 4
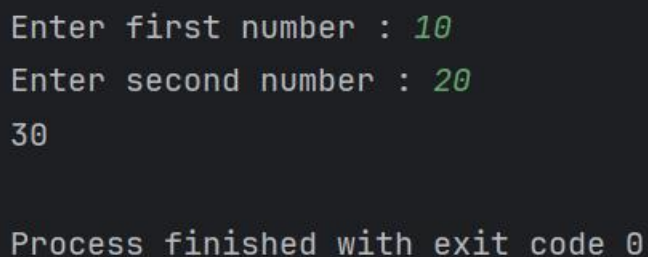
4. Implement OOP concepts.
 a) Write a program to find sum of two numbers using class and methods

CODE:-

```python
class sum:
    def __init__(self):
        self.a = int(input("Enter first number : "))
        self.b = int(input("Enter second number : "))
    def sum1(self):
        return self.a+self.b
A = sum()
print(A.sum1())
```

OUTPUT:-

```
Enter first number : 10
Enter second number : 20
30


Process finished with exit code 0
```
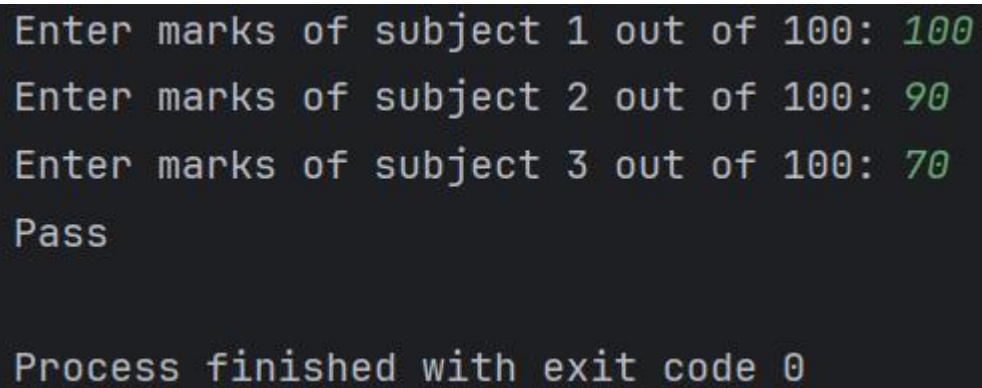
 b) Write a program to read 3 subject marks and display pass or failed
 using class and object

CODE:-

```python
class marks:
    def __init__(self):
        self.sub1 = int(input("Enter marks of subject 1 out of 100: "))
```

```python
        self.sub2 = int(input("Enter marks of subject 2 out of 100: "))
        self.sub3 = int(input("Enter marks of subject 3 out of 100: "))
    def result(self):
        sum = (self.sub1+self.sub2+self.sub3)/3
        if sum<36:
            print("Fail")
        else:
            print("Pass")
def main():
    A = marks()
    A.result()
main()
```

CODE:-

```
Enter marks of subject 1 out of 100: 100
Enter marks of subject 2 out of 100: 90
Enter marks of subject 3 out of 100: 70
Pass


Process finished with exit code 0
```